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State of Utah
DEPARTMENT OF NATURAL RESOURCES
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January 13, 2002

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: James D. Smith, Senior Reclamation Specialist JDS

RE: 2002 First Quarter Water Monitoring, CO-OP Mining Company, Bear Canyon Mine, C/015/025-WQ02-1

1. Were data submitted for all of the MRP required sites? YES [X] NO []
Identify sites not monitored and reason why, if known:

2. On what date does the MRP require a five-year resampling of baseline water data.
See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

Resampling Due Date

Renewal submittal due 07/02/00, renewal due 11/02/00. Baseline parameters are to be taken in August of year 5 prior to each permit renewal (Table 7.1-8). Baseline parameters were measured August 2000 and included with the Third Quarter 2000 data submittal. Next baseline analysis will be in August 2005.

3. Were all required parameters reported for each site? YES [X] NO []
Comments, including identity of monitoring site:

4. Were irregularities found in the data?

YES [X] NO []

Comments, including identity of monitoring site:

BC-1: K (n = 33), Na (n = 34), Ca(n = 32), Mg (n = 33), and dissolved oxygen (n = 91) were outside the two standard deviation range;

SBC-14: total hardness (n = 20), TDS (n = 20), field conductivity (n = 20), and Mg (n = 20) were outside the two standard deviation range;

5. Were DMR forms submitted for all required sites?

1st month, YES [X] NO []
2nd month, YES [X] NO []
3rd month, YES [X] NO []

Identify sites and months not monitored:

There was no flow reported for UPDES UTG040006 -002, -003, and -006 during the first quarter. Point -007 is the new pond and was not constructed during this period.

6. Were all required DMR parameters reported?

YES [X] NO []

Comments, including identity of monitoring site:

7. Were irregularities found in the DMR data?

YES [X] NO []

Comments, including identity of monitoring site:

UPDES UTG040006 -004 - 02/21/2002: TSS is outside two standard deviations (n = 47);

UPDES UTG040006 -004 - 03/26/2002 : Water temperature is outside two standard deviations (n = 219);

8. Based on your review, what further actions, if any, do you recommend?

Irregularities in the MRP operational data do not appear significant and no further action is recommended other than watching for possible trends;